

1 Q. Reference: Energy Supply Risk Assessment Update, November 30, 2016. It is our  
2 understanding that UFOP is a legitimate measure of the probability that a peaking  
3 unit will be available, but it does not reflect the probability that the unit will start  
4 when asked. On that basis, does Hydro's use of UFOP in the supply analysis  
5 overstate the reliability of Hardwoods and Stephenville? Would an adjustment to  
6 UFOP for starting reliability be appropriate?

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9 A. Please refer to Hydro's response to PUB-NLH-636. In PUB-NLH-636, starting  
10 reliability is a factor in the calculation of UFOP, and reflected within the UFOP  
11 measure. Therefore, Hydro does believe UFOP correctly represents the reliability of  
12 Hardwoods and Stephenville.

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14 Hydro acknowledges that UFOP does not contemplate a de-rating or an engine  
15 being unavailable. Hydro reiterates that a loaner leased engine is being maintained  
16 this winter, and Hydro will secure an engine into subsequent winters as required. In  
17 the event of significant engine issues that are not able to be resolved on site, the  
18 installation of the leased loaner engine has the effect of reinstating much of a failed  
19 engine's capacity when an engine has to be removed from service . Hydro is also  
20 evaluating if an additional measure is appropriate for the gas turbines to  
21 supplement the UFOP measure typically used in industry for standby units.